

RECEIVED

CENTRAL FAX CENTER

JUL 17 2004
OFFICIAL

FAX TRANSMISSION

DATE: July 16, 2004

PTO IDENTIFIER: Application Number 10/810,718-Conf. #8917
Patent Number

Inventor: Panayotis C. Andricacos et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

Burton A. Amernick

PHONE: (202) 331-7111

Attorney Dkt. #: 20140-00255-US3

PAGES (Including Cover Sheet): 5

CONTENTS: Information Disclosure Statement (2 pages);
IDS (Citations) by Applicant (1 page); and
Certificate of Transmission under 37 CFR 1.8 (1 page).

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (202) 331-7111 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800, Washington, DC 20036-3425
Telephone: (202) 331-7111 Facsimile: (202) 293-6229

PTO/SB/97 (12-97)

Approved for use through 9/30/00. OMB 0851-0031

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Certificate of Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on July 16, 2004
Date



Signature

Debra Bennett
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Information Disclosure Statement (2 pages);
IDS (Citations) by Applicant (1 page); and
Certificate of Transmission under 37 CFR 1.8 (1 page).

Docket No.: 20140-00255-US3
(PATENT)/ED
CENTRAL FAX CENTER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 16 2004

In re Patent Application of:
Panayotis C. Andricacos et al.

Application No.: 10/810,718

Confirmation No.: 8917

Filed: March 29, 2004

Art Unit: 1753

For: ELECTROPLATED COPPER
INTERCONNECTION STRUCTURE,
PROCESS FOR MAKING AND
ELECTROPLATING BATH

Examiner: Not Yet Assigned

OFFICIAL

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the references on the PTO/SB/08 are not provided.

Those patent(s) or publication(s) which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/684,786, filed

Application No.: 10/810,718

Docket No.: 20140-00255-US3

October 10, 2000 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

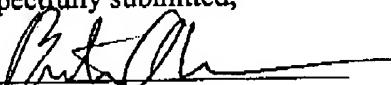
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0510, under Order No. 20140-00255-US2.

Dated: 7-16-04

Respectfully submitted,

By 
Burton A. Amernick

Registration No.: 24,852
CONNOLLY BOVE LODGE & HUTZ LLP
1990 M Street, N.W., Suite 800
Washington, DC 20036-3425
(202) 331-7111
(202) 293-6229 (Fax)
Attorney for Applicant

PTO/SB/DBa/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/A/B/PTO				Complete If Known	
				Application Number	10/810,718-Conf. #8917
				Filing Date	March 29, 2004
				First Named Inventor	Panayotis C. Andricacos
				Art Unit	1753
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	20140-0255-US3

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA**	US-5,484,518		01/1966	GOLDBERG	
AB**	US-6,261,433		07/2001	LANDAU	
AC**	US-6,331,237		12/2001	ANDRICACUS et al.	
AD**	US-6,113,771		09-05-2000	LANDAU et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
BA**	EP-0952242		11-16-1998	LANDAU, et al.	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year or the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CA**		A Novel Electrolyte Composition for Copper Plating in Wafer Metallization; Electrochemical Processing in ULSI Fabrication and Semiconductor/Metal Deposition II: Proceedings of the International Symposium; P.C.: Uziel LANDAU, et al., The Electrochemical Society, Inc. Proceedings Volume 99-9.			
CB**		A Model of Superfilling in Damascene Electroplating; H. DELIGIANNI, et al.; The 195 th Meeting of Electrochemical Society, Inc. Meeting Abstracts, Volume 99-1 (May 2-6, 1999).			
CC**		Model of Wafer Thickness Uniformity in an Electropolishing Tool; The 195 th Meeting of Electrochemical Society, Inc. Meeting Abstracts, Volume 99-1 (May 2-6, 1999).			
CD**		A Model of Superfilling in Damascene Electroplating; H. DELIGIANNI, et al.; Electrochemical Processing in ULSI Fabrication and Semiconductor/Metal Deposition II: Proceedings of the International Symposium; P.C.: Uziel LANDAU, et al., The Electrochemical Society, Inc., Proceedings Volume 99-9.			
CE**		Uziel LANDAU, A Novel Electrolyte Composition for Copper Plating in Wafer Metallization, Abstract No. 263.			
CF**		Model of Wafer Thickness Uniformity in an Electropolishing Tool; Electrochemical Processing in ULSI Fabrication and Semiconductor/Metal Deposition II: Proceedings of the International Symposium; P.C.H. DELIGIANNI, et al., The Electrochemical Society, Inc., Proceedings Volume 99-9.			
CG**		Computational Aspects of the Terminal Effect on Wafer-Scale Uniformity; H. DELIGIANNI et al.; The 195 th Meeting of Electrochemical Society, Inc. Meeting Abstracts, Volume 99-1 (May 2-6, 1999).			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

Examiner Signature	Date Considered